

Intel DC S3710 2.5" 400 GB Serial ATA III MLC

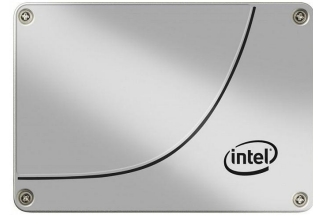
Brand : Intel

Product code: SSDSC2BA400G4

Product name : DC S3710

SSD DC S3710 Series (400GB, 2.5in SATA 6Gb/s, 20nm, MLC)

[Intel DC S3710 2.5" 400 GB Serial ATA III MLC:](#)



Enhanced Power Loss Data Protection

Enhanced Power Loss Data Protection prepares the SSD for unexpected system power loss by minimizing data in transition in temporary buffers, and uses on-board power-loss protection capacitance to provide enough energy for the SSD firmware to move data from the transfer buffer and other temporary buffers to the NAND, thus protecting system and user data.

High Endurance Technology (HET)

High Endurance Technology (HET) in SSD's combines Intel® NAND Flash Memory silicon enhancements and SSD system management techniques to help extend the endurance of the SSD. Endurance is defined as the amount of data that can be written to an SSD during its lifetime.

Temperature Monitoring and Logging

Temperature Monitoring and Logging uses an internal temperature sensor to monitor and log airflow and device internal temperature. The logged results can be accessed using the SMART command.

Features		Operational conditions	
Security algorithms	256-bit AES	Operating temperature (T-T)	0 - 70 °C
SSD form factor *	2.5"	Operating vibration	2.17 G
SSD capacity *	400 GB	Non-operating vibration	3.13 G
Interface *	Serial ATA III	Technical details	
Memory type *	MLC	Sustainability certificates	RoHS
Data transfer rate	6 Gbit/s	Weight & dimensions	
Read speed	550 MB/s	Height	7 mm
Write speed	470 MB/s	Weight	82 g
Random read (100% span)	85000 IOPS	Logistics data	
Random write (100% span)	43000 IOPS	Harmonized System (HS) code	84717070
Read latency	55 µs	Other features	
Write latency	66 µs	Product colour	Silver
Lithography	20 nm	Internal	✓
End-to-End Data Protection	✓	Processor lithography	20 nm
Enhanced Power Loss Data Protection technology	✓	Power consumption (active)	5.4 W
SSD temperature monitoring	✓	Born on date	Q1'15
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	Drive capacity	400 GB
Mean time between failures (MTBF)	2000000 h	Launch date	2015-01-27T00:00:00
Windows operating systems supported	✓	Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-s3710-brief.html
Market segment	Server	Product name	Intel SSD DC S3710 Series (400GB, 2.5in SATA 6Gb/s, 20nm, MLC)
SSD usage tag	Data center	SSD endurance rating	8.3B
SSD ARK ID	84238	SSD hardware encryption	AES 256 bit
Power		SSD power consumption (active)	5.4W
Power consumption (idle)	0.6 W	SSD power consumption (idle)	0.6W
Brand-specific features		SSD shock	1000 G/0.5ms
Intel High Endurance Technology (HET)	✓	SSD weight	82 Grams
		Sequential reading	550 MB/s
		Sequential writing speed	470 MB/s
		Status	Launched
		Product family	Data center SSD
		Product series	Intel DC S3710
		Product codename	Haleyville

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Publication date: 25-JAN-2024. Prints or copies of Information are only valid on the printed Publication date